

Title (en)

METHOD FOR OPTICALLY DETECTING A WIND TURBINE FOR TESTING PURPOSES USING AN AIRCRAFT

Title (de)

VERFAHREN ZUM OPTISCHEN ERFASSEN EINER WINDKRAFTANLAGE ZU PRÜFZWECKEN MIT HILFE EINES LUFTFAHRZEUGS

Title (fr)

PROCÉDÉ POUR L'EXAMEN OPTIQUE D'UNE INSTALLATION ÉOLIENNE EN VUE DU CONTRÔLE AU MOYEN D'UN VÉHICULE AÉRIEN

Publication

**EP 3077669 A1 20161012 (DE)**

Application

**EP 14815266 A 20141201**

Priority

- DE 102013113326 A 20131202
- EP 2014076114 W 20141201

Abstract (en)

[origin: WO2015082405A1] The invention relates to a method for optically detecting a wind turbine (1) for testing purposes using an aircraft, in particular a manned or unmanned rotorcraft (9) equipped with at least one camera. The wind turbine comprises multiple rotor blades (2), the surface of which is scanned as part of the method, said scan being carried out optically. The method has the following method steps: aligning a first rotor blade (21) in a vertical position, then departing and scanning a first face (5) of the first rotor blade (21) in the vertical direction, then departing and scanning a second face (6) of the first rotor blade (21) in the vertical direction, then aligning a second rotor blade (22) in a vertical position, then departing and scanning a first face (5) of the second rotor blade (22) in the vertical direction, and then departing and scanning a second face (6) of the second rotor blade (22) in the vertical direction.

IPC 8 full level

**F03D 13/00** (2016.01)

CPC (source: EP US)

**B64C 27/04** (2013.01 - US); **B64C 39/024** (2013.01 - US); **B64D 47/08** (2013.01 - US); **F03D 17/00** (2016.05 - EP US); **G01J 5/047** (2013.01 - US); **B64U 10/10** (2023.01 - EP US); **B64U 10/17** (2023.01 - EP); **B64U 2101/30** (2023.01 - EP US); **F05B 2240/2211** (2013.01 - EP US); **F05B 2260/83** (2013.01 - EP US); **Y02E 10/72** (2013.01 - EP)

Cited by

WO2020156629A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102013113326 A1 20150603**; DK 3077669 T3 20180522; EP 3077669 A1 20161012; EP 3077669 B1 20180207; ES 2665564 T3 20180426; PL 3077669 T3 20190628; PT 3077669 T 20180417; TR 201806365 T4 20180621; US 10054110 B2 20180821; US 2016305406 A1 20161020; WO 2015082405 A1 20150611

DOCDB simple family (application)

**DE 102013113326 A 20131202**; DK 14815266 T 20141201; EP 14815266 A 20141201; EP 2014076114 W 20141201; ES 14815266 T 20141201; PL 14815266 T 20141201; PT 14815266 T 20141201; TR 201806365 T 20141201; US 201415100903 A 20141201